

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Giorgio Ghislotti, et al

Serial No:

Filed:

For: LASERS AND METHODS OF MAKING
THEM

Examiner: TBA

Group Art Unit: TBA

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97 – 1.98**

Commissioner of Patents
Alexandria, VA 22313-1450

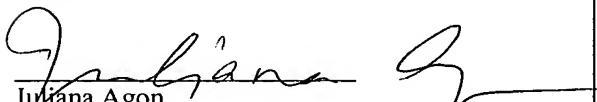
Dear Sir:

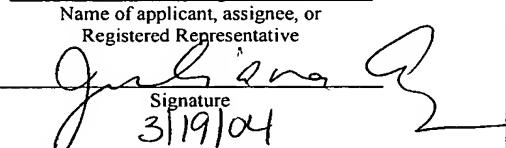
The Examiner's attention is hereby directed to the following reference(s) listed on the attached Form PTO-1449 for consideration in connection with the examination of the above-identified patent application. One copy of the reference(s) is enclosed.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the enclosed documents constitute "prior art." If it should be determined that any of the submitted documents do not constitute "prior art" under United States law, applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the enclosed references, should one or more of the references be applied against the claims of the present application.

Respectfully submitted,


 Juliana Agon
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 Date: 3/19/04

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| I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner of Patents, Alexandria, Va 22313-1450 on <u>3/19/04</u> | |
| Date of Deposit | |
| Juliana Agon Name of applicant, assignee, or Registered Representative | |
|  Signature <u>3/19/04</u> Date of Signature | |

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| FORM PTO-1449 (MODIFIED) | | ATTORNEY DOCKET NO. | SERIAL NO. |
| <p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS INFORMATION DISCLOSURE STATEMENT</p> | | UK03-004 | TBA |
| | | APPLICANT Giorgio Ghislotti, et al. | |
| | | FILING DATE HEREWITH | GROUP: TBA |

| REFERENCE DESIGNATION | | U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----|-----------------------|------|------|-------|-----------|------------------------|
| Examiner Initial | | Document Number | Date | Name | Class | Sub-Class | Filing Date if Approp. |
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|----|-----------------|------|---------|-------|-----------|--------------------|
| | | Document Number | Date | Country | Class | Sub-Class | Translation Yes No |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |

| OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.) | | |
|--|----|---|
| | AG | Vusirikala, et al. "GaAs-AlGaAs QW Diluted Waveguide Laser with Low-Loss, Alignment-Tolerant Coupling to a Single-Mode Fiber", IEEE Photonics Technology Letters, Vol. 8, No. 9, September 1996, 1130-1132 |
| | AH | Lin, et al. "Extremely Small Vertical Far-Field Angle of InGaAs-AlGaAs Quantum-Well Lasers with Specially Designed Cladding Structure" IEEE Photonics Technology Letters, Vol. 8, No. 12, December 1996, 1588-1590 |
| | AI | Yamada et al. "Potential of DCH structure for higher brightness laser diode" CLEO 99, Presentation CM15, May 1999 |
| | AJ | Iordache et al. "High power CW output from low confinement asymmetric structure diode laser" Electronics Letters, January 21, 1999, Vol 35 No. 2, 148-149 |
| | AK | Jeon et al. "High-Power Low-Divergence Semiconductor Lasers for GaAs-Based 980-nm and InP-Based 1550-nm Applications" IEEE Journal of Selected Topics in Quantum Electronics, Vol. 3, No. 6, December 1997, 1344-1350 |
| | AL | Vakhshoori et al. "980nm spread index laser with strain compensated InGaAs/GaAsP/InGaP and 90% fibre coupling efficiency" Electronics Letters, May 23, 1996, Vol 32, No. 11, 1007-1008 |
| | AM | Gough et al. "Low-Divergence Laser Structures for Cost-Effective Fiber Coupling Applications" IEEE Journal of Selected Topics in Quantum Electronics, Vol. 6, No. 4, July/August 2000, 571-576 |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.